

Date: Sun, 20 Jun 93 04:30:14 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #752  
To: Info-Hams

Info-Hams Digest                      Sun, 20 Jun 93                      Volume 93 : Issue 752

Today's Topics:

BC 142XL  
Field Day Power.  
HAM-server help file  
HAM RADIOS IN MOVIES  
HTX-202 146.76 birdie, was "Re: HTX-202 mods"  
OE's 3000A Handi-Counter Review  
ORBS\$170.2liners  
Rat Shack & SAM  
TM-742A extended rx coverage

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 20 Jun 93 06:01:19 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: BC 142XL  
To: info-hams@ucsd.edu

Hello Net.

I have just received a brandnew UNIDEN Bearcat BC 142XL 10 channel scanner.  
The problem is it did not come with a manual.  
Can anyone help me with programing the channels?  
I am interested in scanning the upper 49MHZ and 158-157MHZ.  
Naturally I am interested in any modifications available:)

Thanks

de Roland 7J1AKI/WF4P  
or  
ASQP-NBF@ZAMA-EMH1.ARMY.MIL

-----  
Date: Fri, 18 Jun 93 00:33:33 GMT  
From: swrinde!cs.utexas.edu!math.ohio-state.edu!magnus.acs.ohio-state.edu!  
cis.ohio-state.edu!mstar!n8emr!gws@network.UCSD.EDU  
Subject: Field Day Power.  
To: info-hams@ucsd.edu

In article <1vpo83INN17d@blackhole.delmarva.com> scoggin@delmarva.com writes:  
>Does anyone have any opinions on Coleman's Powermate 4000 watt generators?  
>Damark has them on sale for \$600 (plus \$29 shipping).

I have seen the Coleman powermate ER (extended run) 5000 watt generators  
at most every hardware store locally for under \$550 and Sams club has  
them at \$499.

--  
Gary W. Sanders gws@n8emr.cmhnet.org, 72277,1325  
N8EMR @ N8JYV (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]  
HAM BBS 614-895-2553 (1200/2400/V.32/PEP) Voice: 614-895-2552 (eves/weekends)

-----  
Date: Sun, 20 Jun 93 00:06:34 PDT  
From: pacbell.com!amdahl!grafex!news@network.UCSD.EDU  
Subject: HAM-server help file  
To: info-hams@ucsd.edu

All you might ever want to know about the KA6ETB HAM-server

Hardware:

=====

386/25 PC clone  
Telebit QBlazer modem  
20-Meg file space reserved for archive

Software:

=====

Waffle 1.65  
WFSmail 2.03

General Information:

=====

Orders for files are filled between the hours of 0200-0400 daily. This is so those hosts through which the traffic is forwarded are not overloaded. Since we all depend on the generosity of others to carry the mail, it behooves us not to make them angry.

ASCII (text) files are split at about 30,000 bytes or 700 lines (which ever comes first). UUENCODED binary files are split at about 750 lines.

If you are using a PC and you do not have UUDECODE, follow these steps:

1. Order UUDECODE.BAS or UUDECODE.C, and UUEXE515.ZIP.
2. Compile UUDECODE.BAS or UUDECODE.C on your system.
3. Use the resulting executable to UUDECODE UUEXE515.ZIP. UUEXE515 has documentation about UUENCODE/UUDECODE.

You are all set to start ordering binary files from HAM-server.

/hamradio/newfiles/ contains files that have not yet been categorized. You can order a list of newfiles by sending the following in an email.

NEWFILES <date>

<date> is in the form of MM-DD-YY, and is required.

If you order a file and do not get it, check the index to be sure you have spelled the filename correctly. If you have ordered the file correctly, then order a new INDEX, as I may have moved the file to a different directory. The system is still expanding, and I am trying to keep it in managable chunks.

Also, if you have ordered files from HAM-server and do not receive them, it might be because your return path is incorrect. My bounce mailbox fills up quite regularly with bounce messages. And, since the path is incorrect, I cannot contact you to let you know.

Orders must be sent to HAM-server. Orders sent to KA6ETB or HAMSinfo are ignored.

A new INDEX is automatically generated every Sunday and when files are moved or added.

Message Command Language:

=====

There are some general rules for ordering files:

- o Commands and operands are not case sensitive.
- o Leading spaces are permitted before the command. Commands must be the first token on a line.
- o A '#' character as the first character on a line is treated as a comment. The line does not cause an error.
- o A line beginning with the string "--" is treated as end of input. The remainder of the message is ignored.

The commands are:

```
GET
HELP
INDEX
NEWFILES
PING
QUIT
```

The GET Command:

-----

The GET command sends the requested file. The syntax for the GET command is:

```
GET <filespec> [uue[ncode] | xxe[ncode]]
```

<filespec> is required. <filespec> must specify a path, but without a drive specification. The filespec is not relative to any directory.

uue[ncode] or xxe[ncode] is optional and may be abbreviated as "uue" or "xxe", respectively. If neither are specified, the file is sent according to the file extension. Files with these extensions will be sent encoded:

```
com exe zip pak arc arj gif lzh lha zoo z tar
```

If uue[ncode] is specified, the file is sent uuencoded.

If xxe[ncode] is specified, the file is sent xxencoded.

For example:

```
GET /hamradio/00-index.txt
GET /hamradio/utility/uuexe515.zip uue
```

are syntactically correct.

The HELP Command:

-----

The HELP command gets this file.

The INDEX Command:

-----

The INDEX command sends an index of files available from HAM-SERVER.

Use

GET 00-INDEX.TXT

to get a description of the files.

The NEWFILES Command:

-----

The NEWFILES command sends a list of files newer than the user specified date.

The syntax for the NEWFILES command is:

NEWFILES <date>

<date> is required. <date> has the form of mm-dd-yy. HAM-SERVER is strict about checking the form of <date>; if it does not look like it expects, the command will be rejected.

A valid specification for the NEWFILES command is:

NEWFILES 02-15-92

The PING Command:

-----

The PING command causes HAM-SERVER make a simple reply, via the session transcript, to the requestor. To test the path to HAM-SERVER, send the PING command.

The QUIT Command:

-----  
The word "quit" as the first token on a line causes HAM-SERVER to quit processing input as if end of input had occurred.

-----  
Date: 15 Jun 93 09:21:55 GMT  
From: munnari.oz.au!metro!sequoia!ultima!kralizec.zeta.org.au!ixgate!  
merv.james@network.UCSD.EDU  
Subject: HAM RADIOS IN MOVIES  
To: info-hams@ucsd.edu

Original to: Ron@topaz.bds.com  
On 06-09-93 RON@TOPAZ.BDS.COM wrote to ALL...

R > let you hear enough of it (I love the paragraphs of information that  
R > some  
R > movie operators get from listening to about twenty morse characters).

Precisely. You would think, wouldn't you. that someone who has a specific responsibility for realism in movies would wonder if any theatregoers would have a knowledge of morse and be able to tell whether the actor was really sending it, as opposed to merely pressing a key. I suspect that many amateur radio operators would also cringe at the way they operated the morse key. I presume there is a specific knack to it and not merely a case of banging down on it with the palm of ones hand!

At least, the British Detective Series, Inspector Morse in its final play-out music starts off playing M O R S E in morse code.

Merv  
Adelaide, Sth OZ.

--- TMail v1.31.5  
\* Origin: Oracle PC-Network - Sth Aust HAM Support (08) 234-0791  
(3:800/804)

-----  
Date: Sat, 19 Jun 1993 15:47:29 GMT  
From: sdd.hp.com!portal!haven.UUmh.Ab.Ca!dreamer@network.UCSD.EDU

Subject: HTX-202 146.76 birdie, was "Re: HTX-202 mods"  
To: info-hams@ucsd.edu

In article <3J6a6B10w165w@balsam.pinetree.org>, Darin Cowan writes:

> wejones@cbda7.apgea.army.mil (Bill Jones) writes:

>

> > >

> > > > : > >|> > PS: Is it normal for the 202 to have a birde on 146.760?? Mayb  
> > > > : > >|> > is common?? cul

> > > > : >

> > > > : > >|> I don't know about normal, but mine does it too. So does a frien  
> > > > : > >|> is not picking up an external signal. BTW, it only is observed w  
> > > > : > >|> rubber ducky is used, ie when an external antenna is used, it goe  
> > > > : > >|> so it seems to be an oscillation involving reactive components in  
> > > > : > >|> rubber ducky!

> > > > : >

> > > > : > It's probably picking up some outside noise (like from a computer) an  
> > > > : > mixing with internal noise or oscillators to produce the birdie on 14  
> > > > : >

> > > > This problem was explained in a previous posting by Don Montgomery.

> > > > The birdie on 146.76 MHz is the 41st harmonic of the 3579.545 MHz clock

> > > > oscillator used in the HTX202. It radiates mainly out of the keypad

> > > > on the front of the radio.

> > > >

> > > More data:

> > > Antenna I used was not roof-top, but only 5' away, although this is  
> > > farther than the rubber duck.

> > > While the clock harmonic is a nice theory, it has some problems.

> > > At the very least, it is not the whole story. The reason is:

> > > I used a scanner to monitor the signal coming from the keypad, and when  
> > > the htx-202 is tuned to 146.76, the signal is at 146.76, but if you change  
> > > ...

> > Still more data, partial retraction or now I'm really confused?

> > ...

>

>

> Have you considered that it may be something else? My HTX202 doesn't have a  
> birdie at any frequency that I've noticed so far...

>

>

Yes, its time to look somewhere else. I have a Yaesu FT530, and I can hear a  
birdie

on 146.76. Both with the rubber ducky and the a double copper cactus.

And, I noticed it both at home and at work (with just the ducky). I haven't  
tried it away from any computers though. At home I have an Amiga 3000/25 and at  
work I have a 486DX/50. I know the monitor at work responds violently to 146.46,





Vout = sqrt(50\*((0.22\*\*2)/50)\*10\*\*1.5) = 1.24Volts

--

Richard Crisp                                      Cupertino, Ca.                                      crisp@netcom.com  
(415) 903-3832 wk                                      (408) 253 4541 fax

"Politicians prefer disarmed peasants"  
seen on a bumper sticker in Austin, Texas

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Date: 20 Jun 93 06:42:51 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: ORBS\$170.2liners  
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-170.N  
2Line Orbital Elements 170.AMSAT

HR AMSAT ORBITAL ELEMENTS FOR AMATEUR SATELLITES IN NASA FORMAT  
FROM N3FKV HEWITT, TX June 19, 1993  
BID:\$ORBS-170.N

DECODE 2-LINE ELSETS WITH THE FOLLOWING KEY:

1 AAAAAU 00 0 0 BBBBB.BBBBBBBB .CCCCCCCC 00000-0 00000-0 0 DDDZ  
2 AAAAA EEE.EEEE FFF.FFFF GGGGGGG HHH.HHHH III.IIII JJ.JJJJJJJKKKKKZ  
KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN  
G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

TO ALL RADIO AMATEURS BT

A0-10

1 14129U 83 58 B 93165.70848674 -.000000040 00000-0 99999-4 0 17  
2 14129 27.0704 20.6919 6015502 89.1784 334.9017 2.05881674 75215

U0-11

1 14781U 84 21 B 93168.09405731 .000000391 00000-0 70588-4 0 4206  
2 14781 97.8095 194.4941 0012707 3.1475 356.9809 14.69009601496702

RS-10/11

1 18129U 87 54 A 93166.69794803 .000000088 00000-0 89554-4 0 6220  
2 18129 82.9236 239.7088 0011223 329.9106 30.1387 13.72318705299648

A0-13

1 19216U 88 51 B 93160.37650667 -.000000117 00000-0 99999-4 0 6109  
2 19216 57.9005 312.1614 7235364 316.9394 5.0166 2.09722770 38195

F0-20

1 20480U 90 13 C 93165.52276237 -.000000003 00000-0 21449-4 0 4482  
2 20480 99.0347 22.2147 0541319 92.6971 273.6184 12.83220156156972

A0-21

1 21087U 91 6 A 93168.77643831 .000000085 00000-0 82656-4 0 7879  
2 21087 82.9428 52.3978 0036323 22.0801 338.1887 13.74520434119526

RS-12/13

1 21089U 91 7 A 93166.81018164 .000000030 00000-0 25491-4 0 4073  
2 21089 82.9213 283.1359 0030924 48.5313 311.8491 13.74023327118335  
UO-14  
1 20437U 90 5 B 93163.73476337 .000000126 00000-0 56856-4 0 7544  
2 20437 98.6143 248.0589 0010557 193.4528 166.6376 14.29776650176797  
AO-16  
1 20439U 90 5 D 93163.73502876 .000000113 00000-0 51587-4 0 5599  
2 20439 98.6206 248.9377 0010543 196.0511 164.0342 14.29836132176808  
DO-17  
1 20440U 90 5 E 93164.07476484 .000000119 00000-0 53993-4 0 5616  
2 20440 98.6212 249.4845 0010658 194.5585 165.5295 14.29972053176866  
WO-18  
1 20441U 90 5 F 93163.27449368 .000000106 00000-0 49048-4 0 5633  
2 20441 98.6207 248.7157 0011277 197.1261 162.9542 14.29951639176758  
LO-19  
1 20442U 90 5 G 93164.25623235 .000000106 00000-0 48786-4 0 5605  
2 20442 98.6209 249.8628 0011580 193.6729 166.4141 14.30041469176907  
UO-22  
1 21575U 91 50 B 93163.23130825 .000000163 00000-0 61960-4 0 2596  
2 21575 98.4729 239.4216 0007803 320.9597 39.1026 14.36831681 99955  
KO-23  
1 22077U 92 52 B 93156.61286328 .000000000 00000-0 99999-4 0 1043  
2 22077 66.0769 348.4145 0005440 187.6380 172.4556 12.86278488 38352  
ARSENE  
1 22654U 93 31 B 93159.17059438 -.000000050 00000-0 99999-4 0 85  
2 22654 1.1041 131.8070 2871288 138.5695 244.7306 1.39870846 441  
NOAA-9  
1 15427U 84123 A 93168.36128376 .000000080 00000-0 52645-4 0 3909  
2 15427 99.1004 208.5462 0015066 164.4137 195.7508 14.13523630438801  
NOAA-10  
1 16969U 86 73 A 93168.28027466 .000000141 00000-0 68683-4 0 2328  
2 16969 98.5168 183.2894 0012667 320.3281 39.6972 14.24812227350643  
MET-2/17  
1 18820U 88 5 A 93168.11696357 .000000052 00000-0 41185-4 0 8725  
2 18820 82.5426 198.9711 0017095 121.3029 238.9807 13.84686821271839  
MET-3/2  
1 19336U 88 64 A 93165.53291403 .000000044 00000-0 99999-4 0 447  
2 19336 82.5410 223.8298 0018266 97.9094 262.4098 13.16958862234862  
NOAA-11  
1 19531U 88 89 A 93168.38169705 .000000184 00000-0 11962-3 0 1401  
2 19531 99.1316 144.1790 0012905 77.7930 282.4674 14.12887768243707  
MET-2/18  
1 19851U 89 18 A 93164.24981741 .000000083 00000-0 69090-4 0 8098  
2 19851 82.5197 78.0661 0013098 178.2707 181.8502 13.84336210216644  
MET-3/3  
1 20305U 89 86 A 93163.93432334 .000000042 00000-0 99999-4 0 7177  
2 20305 82.5527 167.8696 0016588 124.9725 235.2957 13.16020736174545  
MET-2/19

1 20670U 90 57 A 93164.35924181 .000000023 00000-0 15248-4 0 5616  
 2 20670 82.5460 141.4292 0017010 97.1579 263.1516 13.84175661149596  
 FY-1/2  
 1 20788U 90 81 A 93168.97305879 -.000000158 00000-0 -93790-4 0 5778  
 2 20788 98.8693 195.2727 0015101 307.3359 52.6431 14.01318466142698  
 MET-2/20  
 1 20826U 90 86 A 93164.27266354 .000000082 00000-0 68808-4 0 5663  
 2 20826 82.5251 79.5076 0014708 6.2120 353.9219 13.83550508136749  
 MET-3/4  
 1 21232U 91 30 A 93162.19405820 .000000043 00000-0 99999-4 0 3667  
 2 21232 82.5468 71.9805 0020030 45.4475 314.8286 13.16822428102539  
 NOAA-12  
 1 21263U 91 32 A 93169.01179551 .000000197 00000-0 10602-3 0 5924  
 2 21263 98.6558 199.0786 0012213 208.2008 151.8500 14.22273965108769  
 MET-3/5  
 1 21655U 91 56 A 93167.21233261 .000000043 00000-0 99999-4 0 4290  
 2 21655 82.5541 15.2070 0014478 33.2672 326.9356 13.16822182 88293  
 MIR  
 1 16609U 86 17 A 93168.63224460 .00010106 00000-0 13640-3 0 1355  
 2 16609 51.6205 217.2534 0005600 103.2894 256.8660 15.58440491419205  
 HUBBLE  
 1 20580U 90 37 B 93168.82396371 .000000805 00000-0 68907-4 0 1203  
 2 20580 28.4709 60.1568 0004702 51.1212 308.9739 14.92721675171617  
 GRO  
 1 21225U 91 27 B 93169.24857188 .00013033 00000-0 91178-4 0 9194  
 2 21225 28.4616 288.7277 0005290 285.5473 74.4558 15.72664345 288  
 TUBSAT  
 1 21577U 91 50 D 93166.20740414 .000000099 00000-0 40696-4 0 2590  
 2 21577 98.4728 241.9269 0006476 314.9708 45.0952 14.36379900100356  
 SARA  
 1 21578U 91 50 E 93168.23798625 .000000532 00000-0 18802-3 0 4310  
 2 21578 98.4760 245.5604 0004518 316.7566 43.3265 14.38450283100739  
 UARS  
 1 21701U 91 63 B 93161.00396999 -.000001740 00000-0 -14071-3 0 2482  
 2 21701 56.9837 210.2806 0004986 85.9177 274.2428 14.96709967 95229  
 FREJA  
 1 22161U 92 64 A 93163.09767446 .000000119 00000-0 80352-4 0 1353  
 2 22161 63.0030 148.6235 0770398 282.3677 69.2240 13.21645261 32889  
 /EX

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Date: Sat, 19 Jun 93 23:00:30 PDT  
 From: telesoft!fatcity!don@uunet.uu.net  
 Subject: Rat Shack & SAM  
 To: info-hams@ucsd.edu

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> kd4cim@vulcan.com (Jerry Pruett - KD4CIM) writes:
> > Well, I scrogged again.  Anyone should know better than to go into Radio
> > Shack.
> > Anyway, RS has started carrying the SAM Hamcall database.  In a stupid
> > impulse, I bought the thing and then really got down to reading too late.
> > The date of the database is July, 1992.  I must admit that there is a
> > coupon that I can send in $10 and get the one for November, 1992.
> > 11/92 still seems a little old to be charging 39.95 + 10.00 + 3.00 (S&H).
> > I shoulda known better than to deal with Rat Shack!!!!
> Geez.  You admit you didn't read the print.  You went in the store and
> bought it on impulse, and then feel the need to whine here that you
> were somehow "taken"?
>
> Get a life!
> Betcha when you need a resistor or cap and it's just before closing
> time at the Radio Shack, you call and ask them to stay...and they
> probably do...so you can buy 99cents in parts to save your bacon and
> then come back here to the 'Net to bitch about how over-priced RS is.
>
> Yes, that is a lotta assumptions on my part, but the evidence from
> your post was overwhelming... ;^)
>
> Lighten up...and practice your reading, and your math.  November 1992
> data, accessible on a PC that takes up only 19MB (with all the bells
> and whistles installed) and is quick is a good deal for $39.95.  If you
> stop and think (flame on -- that part may be difficult for you --
> flame off ;^) you are paying $39.95 for a great little program, and
> ONLY $10.00 plus S&H for a new callbook every year!  That's a helluva
> deal and leave you nowhere to gripe!  Sheeesh!
>
> 73
> Jack
>
> +-----+
> | Jack GF Hill          |Voice: (615) 459-2636 -           Ham Call: W4PPT |
> | P. O. Box 1685        |Modem: (615) 377-5980 -   Bicycling and SCUBA Diving |
> | Brentwood, TN 37024|Fax:   (615) 459-0038 -           Life Member - ARRL |
> | root@jackatak.raider.net -   "Plus ça change, plus ça la meme chose" |
> +-----+
```

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Date: Sun, 20 Jun 1993 04:43:31 GMT  
From: munnari.oz.au!sol.deakin.OZ.AU!ausom!ans@network.UCSD.EDU  
Subject: TM-742A extended rx coverage  
To: info-hams@ucsd.edu

can anyone help me with a mod for extended rx coverage for  
a kenwood tm-742a dual band rig? 73s andy vk3dto  
ans%auson.oz@sol.cc.deakin.oz.au  
--

-----  
Date: Sun, 20 Jun 1993 02:58:46 GMT  
From: netcomsv!attain!icd.teradyne.com!news@decwrl.dec.com  
To: info-hams@ucsd.edu

References <1993Jun17.184333.3458@leland.Stanford.EDU>,  
<C8sG43.GDI@cbnewsm.cb.att.com>, <1vt27m\$5d3@agate.berkeley.edu>  
Subject : Re: Field Day, what are others doing?

The Boston Amateur Radio Club will be operating Field Day from Larz Anderson  
park in Brookline (just behind the transportation museum) Listen for AA1BW  
and WB1ATW on HF, 2M and 440. All are welcome to visit.

/mike

--

\\ Michael L. Ardai N1IST Teradyne ATG Boston

-----  
/|\ ardai@maven.dnet.teradyne.com

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End of Info-Hams Digest V93 #752

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